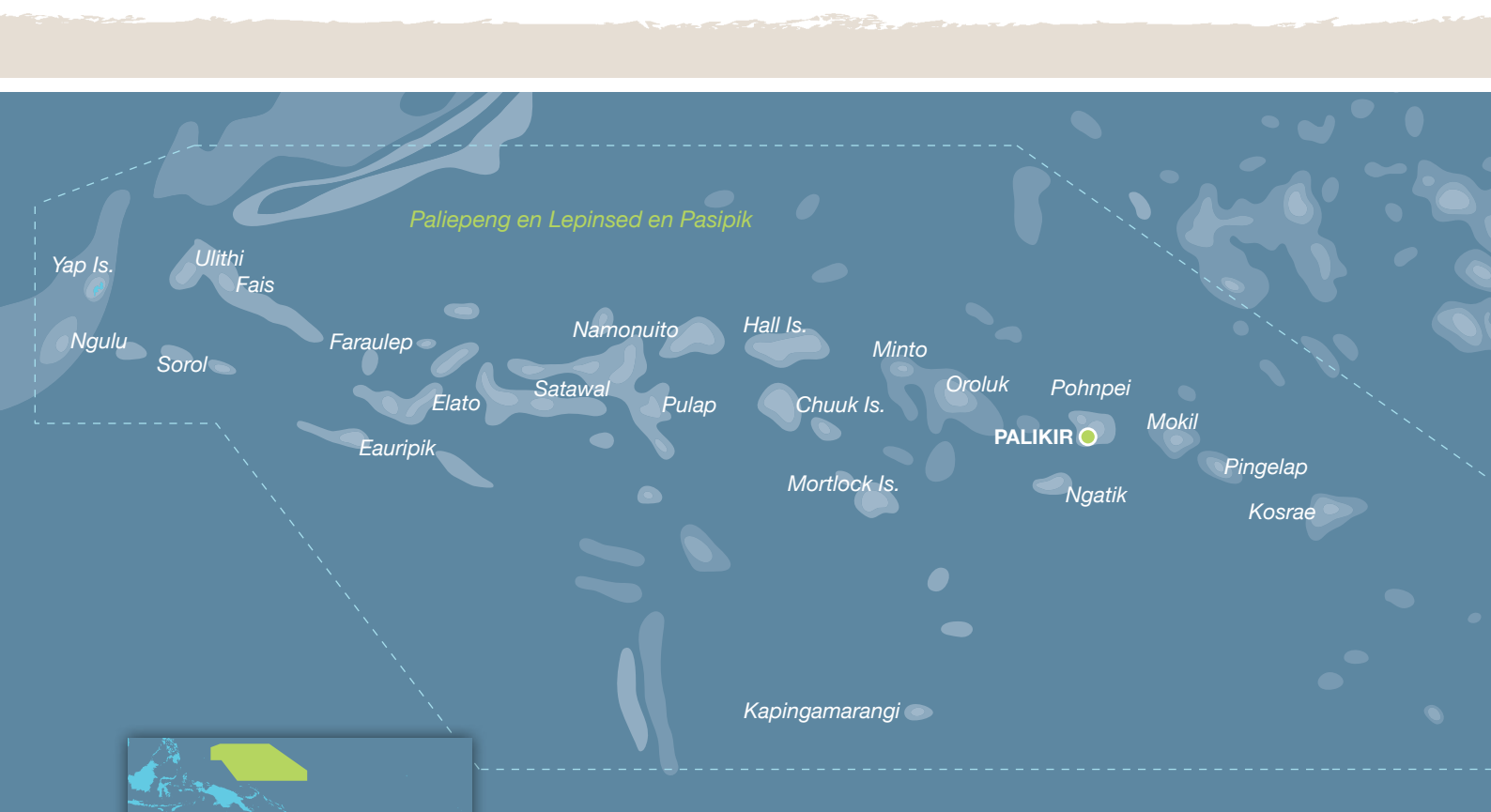


Pacific Climate Change Science Program



**Mwekid en engin sampah ansouwet
oh ehu ansou mwuhr ong Kahndeke
Kapatapat en Maikironihsia**



- > Federated States of Micronesia National Weather Service Office
- > Australian Bureau of Meteorology
- > Commonwealth Scientific and Industrial Research Organisation (CSIRO)



Australian Government

Mwekid en engin sampah/nanwehwe rahn pwukat ong Kahndeke Kapatapat en Maikironihisia

Nan Kahndeke Kapatapat en Maikironihisia wet, mie ekis wekipeseng en karakar nan irair en ansou kan me tikitikisang dikiri 3 pahrnait (3°F), me wia wen karakar en nanipwung de kalapw dierek (ahperet) nanipwungen sounpwung keiieu karakar oh lomwulomwur akan. Sahpw wet ahniki irair en ansou riau-nanipar (ansoun enigmah oh ngalangal de ketipin reirei) sang Nohpembe lel Ahpireil, oh ansoun wisekekek de keteu-sang sounpwung en Mei lel Okotohpe (Tehk Mehn Kawehwe Keiieu 1).

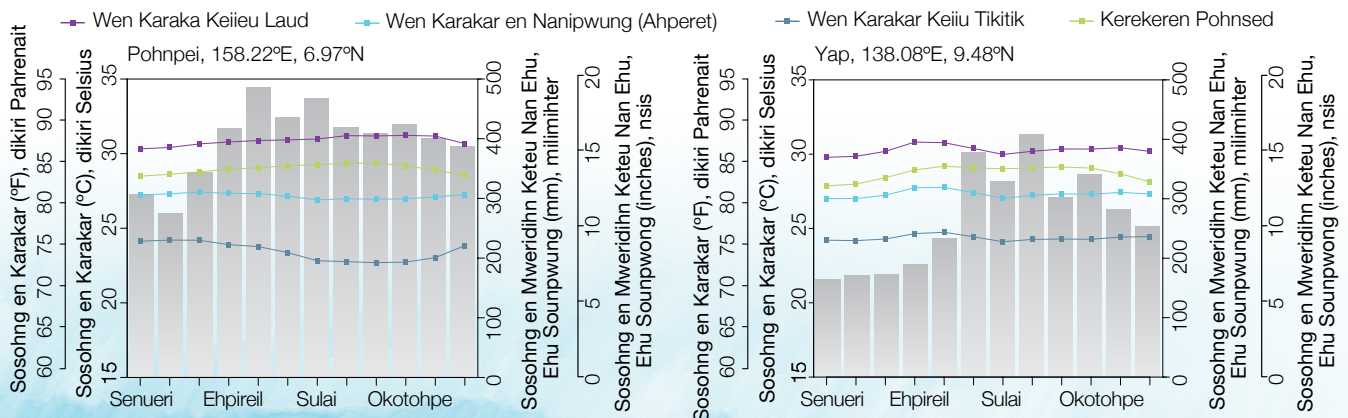
Mweredihn keteu nan irepen Kahndeke Kapatapat en Maikironihisia wet kin ppuwak pepein de pisiken sang ni mwekid de pipihr oh loipenehn kisinieng kan nanwehwe, wasa me koasoandi ren kin loipenen ie. Keteu laud de limekidin keteu kin koksang ni karakarlahn ahng me sang ni wasa me pihl ekis karakar akan mih ie, wasa me kisinieng kan kin loipene de tuhpene ie nanwehwe. Met kin elehda ngirisek de posopos en nansapwe. Ni lokaiahn Wai, wasa kiset adaniki Intertropical Convergent Zone. Wasa kiset kakainenehdi oh telepehte Lepinsed en Pasipik wet, Paliepeng en pwallap en sampah de ekiwihdohr (Tehk Mehn Kawehwe keriau 2). Ansoun keteu laud de wisekekek wet kin pwarada sang ni loipenehn kisinieng kan nanwehwe ah kin laudila oh mwekidilahng ni Paliepeng en Kahndeke Kapatapat en Maikironihisia wet. Met pil kin pepein de pisiken sang ni irair en ansoun limekid en keteu me kin mwekididohsang Palikapihn Lepinsed en Pasipik wet me ede ni lokaiahn Wai, Monsoon (ni lokaiahn Pohnpei

Mwonsuhn). Soangen ansou me duwe met kin pwarada sang ni wekipeseng en kerekere nanwehwe me kin koksang pohn sahpw oh sehd. Sang ni pwahkodohng soangen ansou me duwe met (Mwonsuhn) ah kin lopilopin, e kin elehda kakiewekilahng ansoun ngalangal de ngelengelen sahpw kehmehe oh pil ansoun wisekekek mwuledek .

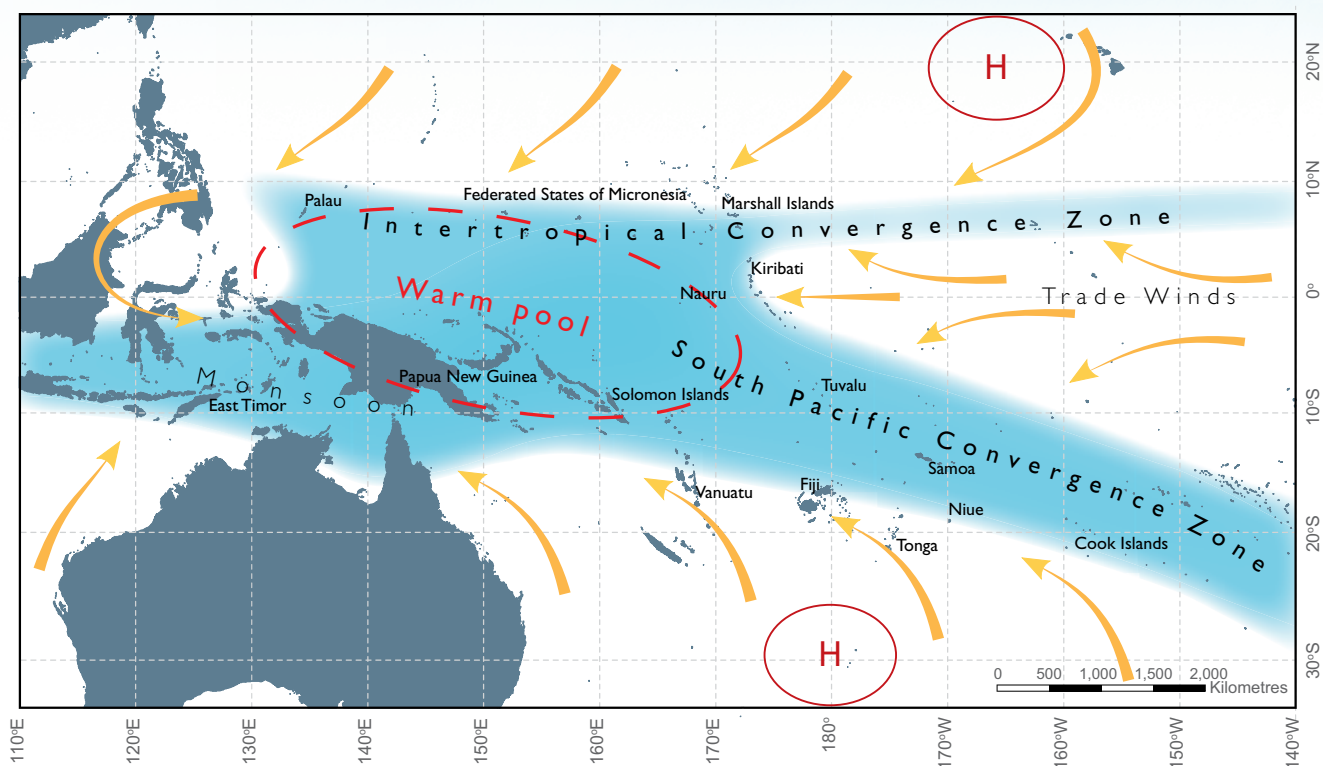
Iren mesenleng de mwekid en nanwehwe nan irepen Kahndeke Kapatapat en Maikironihisia wet kin wekiwekin sang nan ehu pahr ong nan ehu pahr. Met sang ni irair en ansoun de dien ketipen reirei sang Palieir me ede ni lokaiahn Wai El Niño-Southern Oscillation (kak kakiewekieng ni lokaiahn Pohnpei Elnihniohn Palieir). Met e wia irair oh mwekid en nan wehwehn pohn irepen Lepinsed en Pasipiket pwon, me pil kin sairada mehleh mwekid en nanwehwehn de iren mesenleng en sampah pokon. Pali mwuledek riau mie nan irair en ansoun Elnihniohn Palieir wet: Ehu adaniki Elnihnio (ansoun ketipin reirei de ngalangan daulihiala), ah ehu adaniki

La Niña (ni lokaiahn Pohnpei La Nihnia-ansoun keteu de wisekekek daulihiala). Pil mie ansoun me nanipwunge nan irair en ansou riau pwukat. Nan Pohnpei, Elnihnio kin elehda ketipin oh ngalangan sipelehla nan irair en ansoun ketipin oh ngalangan me koasoandi oh wisekekek sipelehla nan irair en ansoun wisekekek me koasoandi nan ehu, ehu pahr.

La Nihnia kin elehda keteu wemwahu (ahperet) ah kin mie nan irair en ansoun ketipin oh madekeng de ngalangan. Mwonsuhn en Palikapihn Pasipik wet de ansoun keteu laud wet kin lipwalipw mehleh ong deke kan en Palikapihn Kahndeke Kapatapat en Maikironihisia wet, wein lap (Yap) oh Ruk (Chuuk) sang deke kan en Palimesehn Kahndekehn Maikironihisia wet, wein Pohnpei oh Kusai (Kosrae). Mwonsuhn wet kin kalapala Palimese ansoun Elnihnio (ansoun ketipin oh ngalangal), me kin elehda keteu laud Pohnpei oh Kusai, oh kin kalapala Palikapi, me kin elehda keteu sohte nohn mwuledek nan irair en ansoun wisekekek laud de Lanihnia pil ong wein Pohnpei oh Kusai (Kusrae). Loipenehn kisinieng kan wasa me re koasonadi ren kin loipene ie nanwehwe kin elehda keteu sohte nohn laud nan irair en ansoun ketipin de ngalangal de Elnihnio oh keteu mwuledek nan irair en ansoun wisekekek de Lanihnia.



Mehn Kawehwe Keiieu 1: Mweridihn Keteu oh Sosohng en Karakar nan Irair en ansou kan ong wien Pohnpei oh lap (Yap)



Mehn Kawehwe Keriau 2: Wasa me kilel sansal en mwekimwekid en nanwehwe nan sounpwong en Nohpembe lel Epireil kalapw pwarada ie. Kisin kesik ketieu kan kasalehda kisinieng kan en pohn sahpu oh sehd. Wasa me pohmei kan kasalehda wasa me kisinieng kan kin loipene ie oh kotou kin wiawihda ie nanwehwe, kisin kilel pwonopwon lipeiiahk reirei kasalehda wasa me pihl ekis karakar mih ie nan Palikapihn Lepinsed en Pasipik wet oh mesen nting laud H kasalehda wasa me engin nanwehweh (pressure) kin mwekimwekidseli ie.

Mwekid en nanwehwe uk de mwuledek kan

Ketipin, ngalangal de epwelenpil reirei kan, melimel kan, kisinieng laud akan, lapake oh engk kan kin lipwalipw laud ong Kahndeke Kapatapat en Maikironihsia wet. Ansoun ketipin de ngalangal (Elnihnio) kin kalapw pwarada ni mwomwen ketipin mwuledek, karakar, oh ngelengelen sahpu. Kisiniei de mwasikadahn sahpu, epwelenpil, oh pil epwelen mwenge kin kalapw pwarada sang ni soangen ansou me duwe met. Ansoun wisekesek de ketieu mwuledek (La Nihnia) kin elehda kisinieng uk de kalaimwun nan irepen Kahndeke Kapatapat en Maikironihsia wet.



Ohlahn sahpu sang ni loaladahn sehd pohn deke Oneop, wein Ruk (Chuuk).

Johannes Berdon, National Weather Service Office

Wekiwekidek en mwekid en nanwehwehn Kahndeke Kapatapat en Maikironihisia

Karakar laudilahr

Wen karakar keieue laud oh tikitik en nan pahr ehu oh nan irair en ansoun kan ong wein Pohnpei wie lalaudilahr de kohkodahr sangehr nan pahr 1952 (Tehk Mehn Kawehwe Kesilu 3). Wen sohsohng en karakar keieue laud laudikilahr wen sohsohng en karakar 0.19°F (0.10°C) dikirih .19 Pahrenait de (dikiri .10 Selsius) nan irair en sounpar eisek. Laudilahn sohsohng en karakar me mie e pahrekieng mwekid en laudilahn karakar me pwarehngehr sampah pokon.

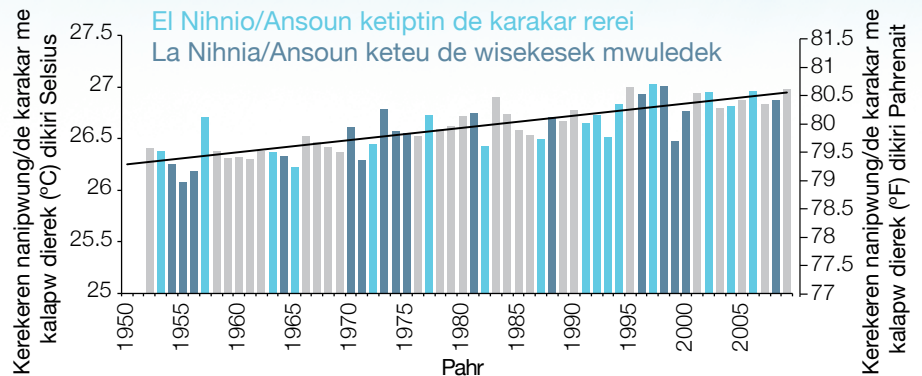
Wen mweredihn keteu en pahr ehu ong wein Pohnpei tikitikilahr

Audepen sosohng kan en mweridihn keteu sang nan pahr 1950 ong wein Pohnpei kasalehdahr me mweridihn keteu en ehu, ehu pahr, iangahki ansoun keteu mwuleded de wisekesek laud, wie sepwisepwidier de kohkodier. Sohte audepen sosohng en mweredihn keteu sansal ong wein lap (Yap). Wekidekila laud mie me pid mweredihn keteu ong wasa de wehi riau pwukat nan irair en ansou me sansalehr powe.

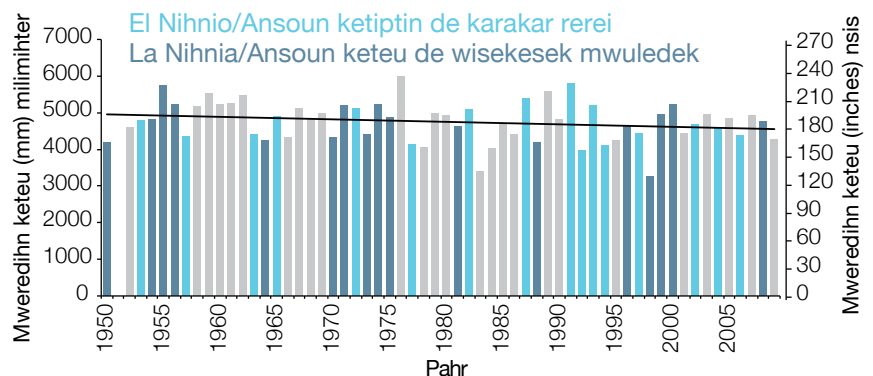
Loaladahn sehd laudilahr

Pwehki karakaralahn sehd, me elehdahr wekidek en mwekid en sehd, elehdahr loaladahn sehd de uh loal ah laudilahr. Peipeseng en ais kalaimwun akan nan wasa lomwulomwur akan nan sampah pil iangehr elehda laudilahn loaladahn sehd.

Misihn en sohsohng mwekimwekid en sehd me ieiiangseli misihn en nan wehwe kan de sadalait kan me kin doadoahk oh sohngada mwekid en sehd ong sampah. Audepen sohsohng en misihn pwukat kasalehda me sehd de uh nan irepen Kahndeke Kapatapat en Maikironihisia wet kin loalikihla de lalaudilikihla nsis 0.39 (de milimihter 10) nan ehu, ehu pahr sangehr pahr 1993. We wet laudisang we me kin kalapw dierek ong wein sampah teikan me mihmi ni nsis 0.11 lel nsis 0.14 (de milimihter 2.8 lel milimihter 3.6) nan



Mehn Kawehwe Kesilu 3: Sosohng en karakar me kalapw dierek nan ehu, ehu pahr ong wein Pohnpei. Lain poh mei maramer kan kasalehda pahren El Nihnio kan, lain poh mei rengen akan kasalehda pahren La Nihnia kan oh lain poh pehsehs akan kasalehda pahr akan en nanipwungen El Nihnio oh La Nihnia.



Mehn Kawehwe Kahieu 4: Mweredihn keteu en nan ehu, ehu pahr ong wein Pohnpei. Lain poh mei maramer kan kasalehda pahren El Nihnio kan, lain poh mei rengen akan kasalehda pahren La Nihnia kan oh lain poh pehsehs akan kasalehda pahr akan en nanipwungen El Nihnio oh La Nihnia.

ehu, ehu pahr. Soangen wekidekilahn mwekid en sehd duwe met pil kolang ni wekidekila kan en nan ehu, ehu pahr akan de nan irair en sounpar eisek kan koaros me sang ni mwekid koapwuriamwei kan en ketipin reirei de El Nihnio. Wekidekilahn mwekid en sehd sang nan ehu pahr ong nan ehu kak dierek de petehk nan Mehn Kawehwe kewenou 6, me iangahki audepen wadepen mwekid en uh sang nan pahr 1950 oh audepen wadepen mwekid en uh me alahlidihsang misihn en nan wehwe de sadalait kan sang pahr 1993.

Sedikensed de wen asid en sehd lalaudilahr

Ele pahkis ehu (¼) en ahng me adaniki carbon dioxide ni lokaiahn Wai me kak kawehwehdi ni lokaiahn Pohnpei,

karpon daieksaid me kin kolang ni wahn doadoahk kan en aramas kin imwila nansed nan ehu, ehu pahr. Sang ni laudilahn soangen ahng wet (karpon daieksaid) nansed, kin elehda ekis laudilahn asid de sedikensed. Met kin lipwalipw mehler ong rahr de mwesengrar oh soangen mwesen nansed teikan me pouwirail akan kin wiawihda sang ni carbon oh minerals (karpon oh mineral kan). Soangen mwahs pwukat inenen keteplaud ong kapakapahrak momour en paliesed de nansed. Audepen sosohng kan sang nan pahr 1701 kohdo kasalehda me sedikensed de asid nansed nan irepen Kahndeke Kapatapat en Maikironihisia wie wawai kohda.

Mwekid en nanwehwe ong Kahndeke Kapatapat en Maikironihisia en ehu ansou mwuhr

Mwekid en nanwehwe kin sairada mehlel pali kan koaros me utung mour en nan Kahndeke Kapatapat en Maikironihisia pwon. Wehwehki mwahu mwekid oh iren nanwehwe kan en ehu ansou mwuhr nan Kahndeke Kapatapat en Maikironihisia wet inenen kesempwal pwe aramas oh koahpwortment ren kak pilahn oh kaunopehng soangen wekidekila pwukat.

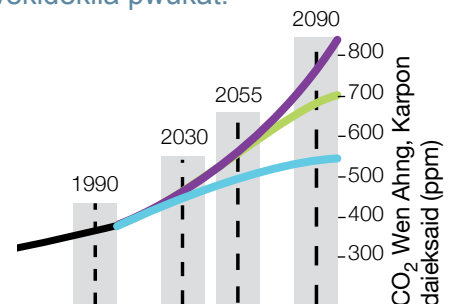
Ia mwomwen scientists/saiiendis de semen akan arail kin diarada de kohpada mwekid akan en nanwehwe?

Mwohdelen de wiepen tetehek mwekid en nanwehwe me kin sansan nan misihn de kampiuhder akan ong sampah pokon (global climate models) iei dipwisoun doadoahk me keiieu nei me kak kohpada mwekid akan en nanwehwe ong ehu ansou mwuhr/ehu rahn. Mwohdel en nan kampiuhder pwukat kin doadoahngki wiepen wahntuhke ileile kan nan misihn de kampiuhder kehlail akan. Re kin poahson pohn wiepen wahntuke eleile kan (physics) de pisiks, inagahki pisetikipen audepen nanwehwe, sehd, sahpw, oh ais.

Soangen wiepen doadoahk de mwohdel en nan kampiuhder mehn ropada mwekid en nanwehwe tohto mie nan sampah me wiepen oh wahn arail doadoahk kan kin sekere ekis wekipeseng. Irail semsen akan de pwihnin en semen me pwukoahki tehtehek mwekid en nanwehe nan Lepinsed en Pasipik wet me ede ni lokaiahn Wai, Pacific Climate Change Science Program, dawihier wiepen doadoahk de mwohdel en nan kampiuhder 24 sang nan wein sampah pwon oh diarada me 18 me konehng mehlel oh kak wia mehn doadoahk ong petehkipen mwekid en nanwehwe ong Palikapihn Lepinsed en Pasipiket pwon. Ih

wiepen doadoahk de mwohdel en nan kampiuhder 18 pwukat me wie doadoahk pwe ren kin ropada mwekid en nanwehweh Kahndeke Kapatapat en Maikironihisia wet unsek.

Mwekid en nanwehwe ong ehu rahn de ansou mwuhr kin kak dierekida sang ni engin mwekid en sampah (natural) oh wahn menginipehn/doadoahk en aramas. Pwehki atail sohte wehweki dahme pahn pwarehngkitail ehu rahn, kitail anahne medemedewe mwahu oh kaunopehng irair en ehu rahn, de dahme kak pwarada, nan wahn doadoahk de mwohdel en kampiuhder kan me pid wekidekipen nanwehwe. Mie pwihn ieu me adaniki ni lokaiahn Wai, Intergovernmental Panel on Climate Change (IPPC) de pali kan nan koahpwortment me kin koasoakoasaoiki mwekid de wekidekipen nanwehwe, kaunopadahr dipwisoun doadoahk kei pwehn kaunopenhng aramas wahn wekidekilahn nanwehwe de mwowhmw ekei ni arail irong wekidekipen wen tohtohn aramas ehu rahn, keiridahn paien wehi oh dipwisoun de misihn en doadoahk kan. Ni karasepe, kaunop miehiehngehr pekederipen engsuwed kasamin akan ong nanwehwe (pilahn en nanipwung) me kasalehda de sohpa me wen tohtohn aramas pahn lel idi nan werengen



Mehn Kawehwe Kelimau 5:

Wen Ahng, Karpon daiekssaid (CO₂) iangahki mwhomw siluh pwukat ong ni engsuwed de saminlahn nanwehwe: tikitik (B1- poh mei), nanipwung (A1B-pohndihpw), laud (A2- mpwulapwul). Semen en nan wehwehn Lepinsed en Pasipik wet kasawihier oh diarada me wahn doadoahk de mwohdel en nanwehwe ong nan irair en ansou pwukat 1990, 2030, 2090 (wasa pohrotorot akan).

sounpar epwiki wet de senturi wet oh wie malamalaulaula sang mwurin ansou, keiridahn paien wehi pahn mwuledekila, oh wiawidahn misihn kapw oh keiridahn oh doadoahk nei en misihn pwukat pahn mwuledekila. Laudilahn engsuwed akan de saminlahn nanwehwe me kahrehda karakar laud wia tehtechn doadoahk mwahu pwe semen akan ren kohp, ni wiepen mwohdelih mwekid en nanwehe, nan misihn de kampiuhder me pahn kak kasalehda de kendohda dahme pahn kakete pwarada ehu rahn.

Kendohpen mwekid en nanwehwe ong wein Kahndeke Kapatapat en Maikironihisia wet mi ni mwowhmw de wiepen engsuweden de saminlahn nan wehwe siluh pwukat: tikitik (low) (B1), nanipwung (medium) (A1B), oh laud (high) (A2) nan irair en ansou me pahn sansal pah pwukat, 2030, 2055 oh 2090 (Mehn Kawehwe Kelimau 5). Pwehki wahn doadoahk en mwohdel en nan misihn de kampiuhder pwukat arail kin ekis wekipeseng, wahn kendoh kan pil kak pwarada ni mwohn ekei.



Ohlahn sahpw sang ni loaladahn sehd, pohn deke Lekinioch, wein Ruk (Chuuk).

Mwekid en nanwehwehn Kahndeke Kapatapat en Maikironihisia wet ehu rahn

Met wia oarlap me pid kendohpen nanwehwehn de iren mesenleng en Kahndeke Kapatapat en Maikironihisia. Ong ni pisetikipen ire oarlap wet, pil tehk ripwoht keriau 2 en Wekidekipen Iren Mesenleng de Nanwehwe nan Lepinsed en Pasipik: Sosohng en Semen oh Sosohng Kapw, me ni lokaiahn Wai, e ketihtihki, the web-based climate projections tool – Pacific Climate Futures (available at www.pacificclimatefutures.net).

Karakar pahn lalaudila mwowe

Kendohpen engisuweden de saminlahn nanwehwe, ni mwohmw siluh kan koaros me sansalehr mwowe, kasaedah me kerekere nanwehwe oh pohnsed en nan irepen Kahndeke Kapatapat en Maikironihisia wet pahn laudila ehu rahn (Tehk Nan Koakon Keiieu 1). Nan pahr 2030, pahn mwohmw kesiluh, me ketihtihki laud me pid engsuwed en de saminlahn nanwehwe, e kendodahr me wen laudilahn karakar kak sang 0.7 lel 1.9 dikiri Pahrenait (°F) de 0.4 lel 1.0 dikiri Selsius (°C) ong Palimesehn Kahndeke Kapatapat en Maikironihisia oh 0.8 lel 1.8 dikiri Pahrenait (°F) de 0.4 lel 1.1 dikiri Selsius °C ong Palikapihn Kahndeke Kapatapat en Maikironihisia.

Ngederlahn rahn karakar mwuledek kan

Pwuwak laudilahn sosohng en karakar me kalapw dierek pahn elehda ngederlahn rahn karakar akan, engederlahn pwohng karakar akan, oh malaulau de loimalaudohn mesenleng lomwulomwur akan.

Wekidekipen ahnepen mweredihn keteu

Kerenieng mwohdel de doadoahk me pid kendohpen dahme pahn pwarada sang ni wekidekilahn de mwekid en nanwehwe koaros kendodahr me wen mweredihn keteu, ni sosohng kalapw dierek kan en nan ehu, ehu pahr oh nan irair en ehu, ehu, ansou kan, pahn wie laulaudila nan irair en sounpar epwiki de senturi wet me tepida nan pahr 2001. Ahpw, mie peikasal me pid kendohn mweredihn keteu pwehki wahn kendohn, doadoahk de mwohdel kan arail sohte pahrekipene. Karakar de dien ketipin rerei kan

sohla pahn dod, ni mwohmw me kin pwarapwarada rahn pwukat, nan irair en sounpar epwiki de senturi wet.

Ngederlahn rahnen limekidin keteu kan

Wahn kehndohn de mwohdel en doadoahk kan kasalehda me rahnen keteu mwuledek de limekidin keteu pahn rekila de tohtohla.

Melimel pahn malausang dahme mie ansou pwukat

Ong sampah pwon, kendo kadiarakadah me melimel pahn malausang dahme mie ansou pwukat kerenlahng pohn ikin sounpar epwiki de senturi wet. E pil pahn mie timwinieng de kisinieng en melimel uk de kehlail me pahn kin pwarada nan irair en ansou kan me wen kehlaparail pahn kak ren laudikihla perisent riau (2%) oh perisent eisek ehu (11%) oh e pil pahn mie laudilahn mweredihn keteu nan irair en ansoun melimel

Nan Koakon Keiieu 1: Kendohpen wekidekilahn sosohng en karakar me pahn kalapw dierek nan irepen Kahndeke Kapatapat en Maikironihisia wet sang ni pekederipen engsuwed de tehte kan me pahn pain de siken kasaminipen nanwehwe ni soangen mwohmw siluh me sansalehr mwowe nan irair en pahn pak silipak. Wahn kendo kan mihmi ni wen perisent 90 (90%) en wen dahme ehu, ehu mwohdel kan de rompen wahn engin sampah kan kak kadiarakada oh wekidekila kan wia wahn sosohng en karakar akan me kalapw dierek de pwarada nan irair en ansou me sang nan pahr 1980 lel 1999.

	2030		2055		2090	
	(°F)	(°C)	(°F)	(°C)	(°F)	(°C)
Palimesehn Kahndeke Kapatapat en Maikironihisia wet						
Pekederipen engisuwed de tehtehn kasaminipen nanwehwe ni mwohmw keiieu tikitik 0.4–2.0	0.1–1.1	1.1–2.9	0.6–1.6	1.5–4.1	0.9–2.3	
Pekederipen engisuwed de tehtehn kasaminipen nanwehwe ni mwohmw me mi nanipwung de nanwerenge	0.5–2.3	0.3–1.3	1.6–3.8	0.9–2.1	2.7–5.9	1.5–3.3
Pekederipen engisuwed de tehtehn kasaminipen nanwehwe ni mwohmw me keiieu laud de mwuledek	0.7–1.9	0.4–1.0	1.8–3.4	1.0–1.8	3.9–6.3	2.2–3.4
Palikapihn Kahndeke Kapatapat en Maikironihisia wet						
Pekederipen engisuwed de tehtehn kasaminipen nanwehwe ni mwohmw keiieu tikitik 0.4–1.8	0.2–1.0	1.0–2.8	0.6–1.6	1.4–4.0	0.8–2.2	
Pekederipen engisuwed de tehtehn kasaminipen nanwehwe ni mwohmw me mi nanipwung de nanwerenge	0.6–2.2	0.4–1.2	1.7–3.7	0.9–2.1	2.6–5.8	1.4–3.2
Pekederipen engisuwed de tehtehn kasaminipen nanwehwe ni mwohmw me keiieu laud de mwuledek	0.8–1.8	0.4–1.1	1.7–3.3	1.0–1.8	3.8–6.2	2.1–3.5

me pahn kak laudikihla ele perisent rieisek (20%) ni ah pahn dohki kihlomihter 100 sang nan werengen de pwoaremesen melimelo.

Kahndeke Kapatapat en Maikironihisia wet mi nan irepen wasa kis me kendohpen malaulaulahn de loimalaulahn melimel oh tikitikilahn de luwetalahn kisinieng kehlail akan pahn sansal kerekerehlahng imwin pahr epwiki de senturi wet.

Loaladahng sehd pahn wenla mwowe de kohkohla mwowe

Kesikipen laudilahn uh loal de loaladahng sehd mie ong nan Kahndeke Kapatapat en Maikironihisia wet. (Tehk Nan Koakon Keriau, 2, Mehn Kewehwe Kewenou, 6). Sang ansou pwukat lel

nan pahr 2030, kendohpen uh loal de loaladahng sehd pahn mihmihseli ni wen sosohng sang nsis 1.2 lel nsis 5.9 de (sang sentimihter 2 lel 15). Laudilahn uh loal de loaladahng sehd, iangahki wekidek en engin sampah kan sang nan ehu pahr ong nan ehu pahn pain de kakehlahla kisinieng me kin wiahda ilok laud akan oh peilahn de mwengelahn oaroahr akan. Nindokon anahn en wehwehki mehleh mwekid de peipeseng en nahnahn ais akan nan wein Antarctica (Andardika) oh Greenland (Krihnland), ahpw ni mehlelo, mwomwen arail pahn kalaudehla uh de sehd ah mwulemwuledekite ong irail semen de saiendihs kan, irail semen de saiendihs kan men kapariki sampah pokon me laudilahn uh loal de loaladahng sehd kakete laudisang dahme kokohmpe de kendohpe miehler kak pwarada.

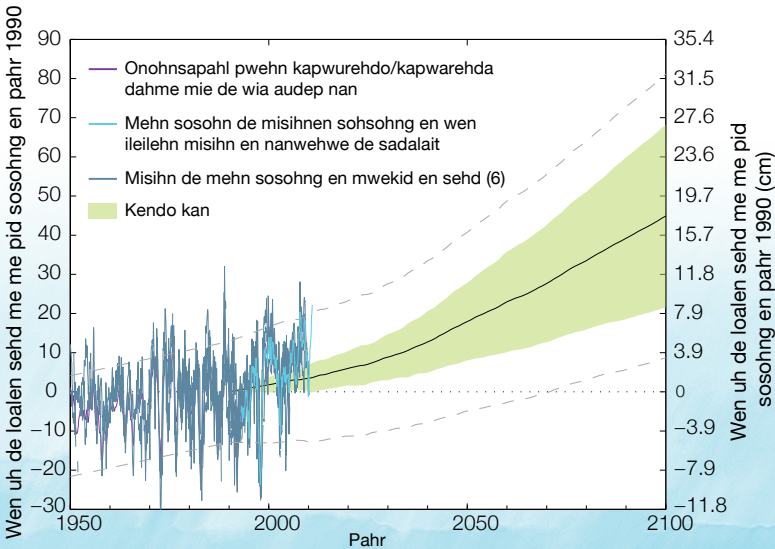
Pepeinipen sedikinsed de asid nansed pahn wenla mwowe

Ni mwohmw siluh kan koaros me pid pekederipen engsuwed ong nan wehwe de saminlahn nan wehwe me sansanlehr mwowe (tikitik, nanipwung, oh laud), sedikinsed de wen asid nansed pahn ukukhila de lalaula mwowe nan iarair en sounpar epwiki de senturi wet. Me pahn keieiu lipwalipw laud iei mwohmw kesiluh de me keieiu laudo. Wahn laudilahn asid nansed de sedikinsed pahn liderehda mehleh mouren rahr akan oh wasahn nahekepen mour en paliesed akan ni ah pahn pepein de pisiken sang ni mehn kerempw teikan me rasheng winisuwed akan me dewuhte sarasi ape, ohlan melimel ong paliesed, oh lipwsuwed en laid.

Koakon Keriau 2: Kondohpen loaladahng uh de laudilahn sehd nan irepen Kahndeke Kapatapat en Maikironihisia wet sang ni pekederipen engsuwed de tehte kan me pahn pain de siken kasaminipen nanwehwe ni soangen mwohmw siluh me sansalehr mwowe nan iarair en pahn pak silipak. Wahn kendo kan mihmi ni wen perisent 90 (90%) en wen dahme ehu, ehu mwohdel kan de rompen wahn engin sampah kan nan misihn de kampiuhder kan kak kadiarakada oh wekidekila kan wia wahn sosohng en loaladahng sehd de laudilahn uh me kalapw dierek de pwarada nan iarair en ansou me sang nan pahr 1980 lel 1999.

	2030		2055		2090	
	(in)	(cm)	(in)	(cm)	(in)	(cm)
Pekederipen engsuwed de tehtehn kasaminipen nanwehwe ni mwohmw keieiu tikitik	1.2–5.5	3–14	3.5–10.2	9–26	6.3–18.1	16–46
Pekederipen engsuwed de tehtehn kasaminipen nanwehwe ni mwohmw me mi nanipwung de nanwerenge	1.2–5.9	3–15	3.5–12.6	9–32	7.5–23.6	19–60
Pekederipen engsuwed de tehtehn kasaminipen nanwehwe ni mwohmw me keieiu laud de mwuledek	1.2–5.9	3–15	3.9–11.8	10–30	8.3–24.4	21–62

Mehn Kawehwe Kewenou 6: Wahn petehk oh kendohpen wekidekipen mwekid en uh de loaladahng sehd me kerenehpe de mwomwpene, limwahn wasa me karanih de pohnihrieng Kahndeke Kapatapat en Maikironihisia. Audepen petehkipen de sosohng en loaladahng sehd poh mei (wia wahn sosohng en uh loal mwomwpene kan sang ni mehn de misihn en soshong en uh) oh me poh mei maramer (wia wahn sosohng en uh loal sang ni misihn en nanwehwe de sadalait, sang nan pahr 1993). Wahn kendo me doadoahngki poadepen mwekid en uh de sehd me mi limwahn de pohnihrieng Kahndeke Kapatapat en Maikironihisia wet sang nan pahr 1950 sansal ni pohn ntahmwell. Kendo me sang ni pekederipen engsuwed de tehtehn kasaminipen nanwehwe, mwohmw en nanipwung de naniwerenge (me mi ni perisent 90 (90%) en dahme mwohdel kan de doadoahk me pid kendohpen dahme pahn pwarada (de mwohdel en nan kampiuhder) sang ni wekidekilahn de mwekid en nanwehwe sansal ni wasa me poh rotorot sang nan pahr 1990 lel nan pahr 2100. Lepinial akan kasalehda kendohpen perisent 90 (90%) en wen wekidek me pein wia koasoandihn sampah sang nan ehu pahr ong nan ehu me pid mwekid de loaladahng uh de sehd.



Wekidek kan en nan irepen nanwehwehn Kahndeke Kapatapat en Maikironihisia

- > Wen sohsohng en karakar akan kohkodahr oh pahn wenla mwowe ni rahn karakar akan arail pahn ngederila de tohtohsang dahme mie ansouwet ehu rahn.
- > Wen wisekesk de mweredihn keteu en nan ehu, ehu pahr wie kohkohdi de tikitikilahr ong wein Pohnpei sang nan pahr 1952. Sohte reked de mehkot sansalamwahu me pidada ire wet ong wein lap (Yap). Kendohn mweredihn keteu nan irai en sounpahr epwiki de senturi wet pahn laudila ni rahnen limekid en keteu kan arail pahn tohtohla de rekila oh ansoun ketipin/karakar reirei de ngalangal laud akan arail pahn malaulaula.
- > Kendo kan en mwekid en melimel akan pwuwak kasakasalehda me wen tohtohn melimel akan en ansou pwukat pahn malaulaula oh kehlaparail pil pahn kohkohdi de luwiluwetala mwowe.
- > Loaladahn sehd de laudilahn uh loal miehier oh pahn wenla mwowe nan wasa me pohnihrieng de karanih Kahndeke Kapatapat en Maikironihisia wet nan irair en sounpar epwiki de senturi wet.
- > Sekidinsed de laudilahn asid nansed wie lalaudilahr nan lepinsed akan me mi nan irepen Kahndeke Kapatapat en Maikironihisia wet. Met pil pahn wenla mwowe me pahn keperieng mehleh mwesenrar de rahr oh mour akan en paliesed.

Audepen mehn kaweid de ripwoht wet wia wahn doadoahk nei me mie nanpwungen Ohpis en Ireirong Mwekid akan en Nanwehwehn de Mesenleng en wein Kahndeke Kapatapat en Maikironihisia oh pali ieu me pwukoahki doadoahk wet ong Lepinsed en Pasipik wet me ede ni lokaiahn Wai, Pacific Climate Change Science Program, me wia kisehn pirokiram en sawas ong epwelipen mwekid en sampah de nanwehwe sang wein Austrhlia (Australia). Ni lokaiahn Wai pali wet adaniki, the Australian Government's International Climate Change Adaptation Initiative. Audepen ripwoht de ropirop en mwekid en engin sampah de nanwehwe wet wia doadoahk nei sang pali me sansalehr mwowe, Pacific Climate Change Science Program me poahson pohn wahn ropirop kapahpak en pahr 2007. Ong ire pisetik me pidada ire pwukat de mwekid en sampah de nan wehwen nan irepen wein Kahndeke kapatapat en Maikironihisia wet oh Lepinsed en Pasipik wet: komw pil kak tehk audepen ripwoht me ni lokaiahn Wai ketihtihki, *Climate Change in the Pacific: Scientific Assessment and New Research. Volume 1: Regional Overview. Volume 2: Country Reports.*

www.pacificclimatechangescience.org

Ma mie keinemwe de kalelapak, ah komw kak kalele Ohpis en Ireirong Mwekid en Sampah de Nanwehwehn/ Mesenleng en Kahndeke Kapatapat en Maikironihisia ni nempehn dengiwa oh wepisait (website) me sansanl pah kan:

web: www.prh.noaa.gov/yap
phone: +691 350 2194

web: www.prh.noaa.gov/chuuk
phone: +691 330 2548

web: www.prh.noaa.gov/pohnpei
phone: +691 320 2248

© Pacific Climate Change Science Program partners 2011.




Australian Government
Bureau of Meteorology


Australian Government
Department of Climate Change
and Energy Efficiency

